

Portable Executable Source Code Representations
Prakash, et. al.
004-40218
2/12

+

Executable Source Code Representation (Executable Code, Data, etc.) <u>131</u>
Intermediate Source Code Representation (Symbol Tables, Object Bindings, etc.) <u>133</u>
Source Code Processing Command Information (Flags, Directives, Options) <u>135</u>

Portable Executable Source Code
Representation
141

FIG. 1B

+

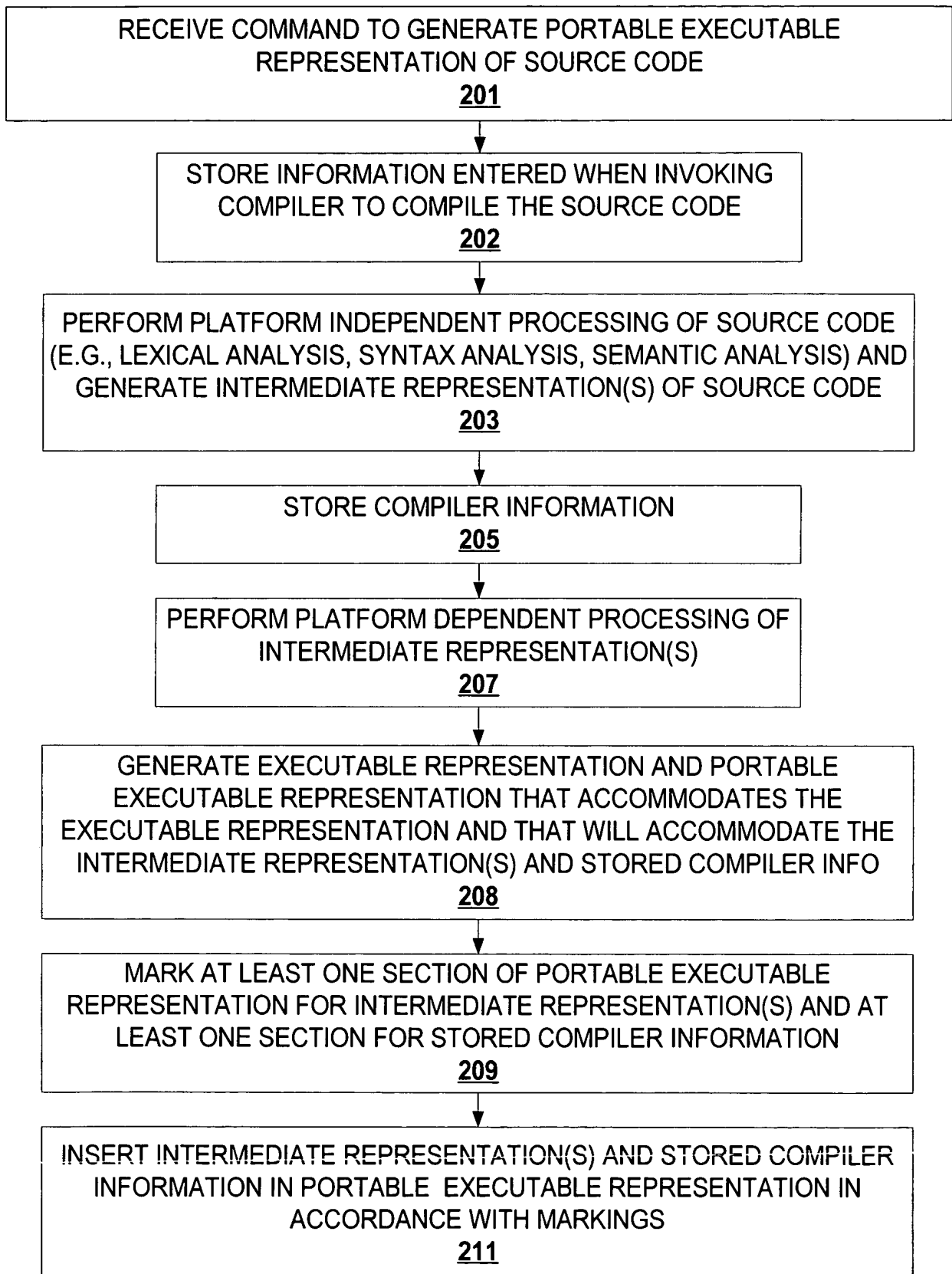


FIG. 2

Portable Executable Representation for Platform A
301

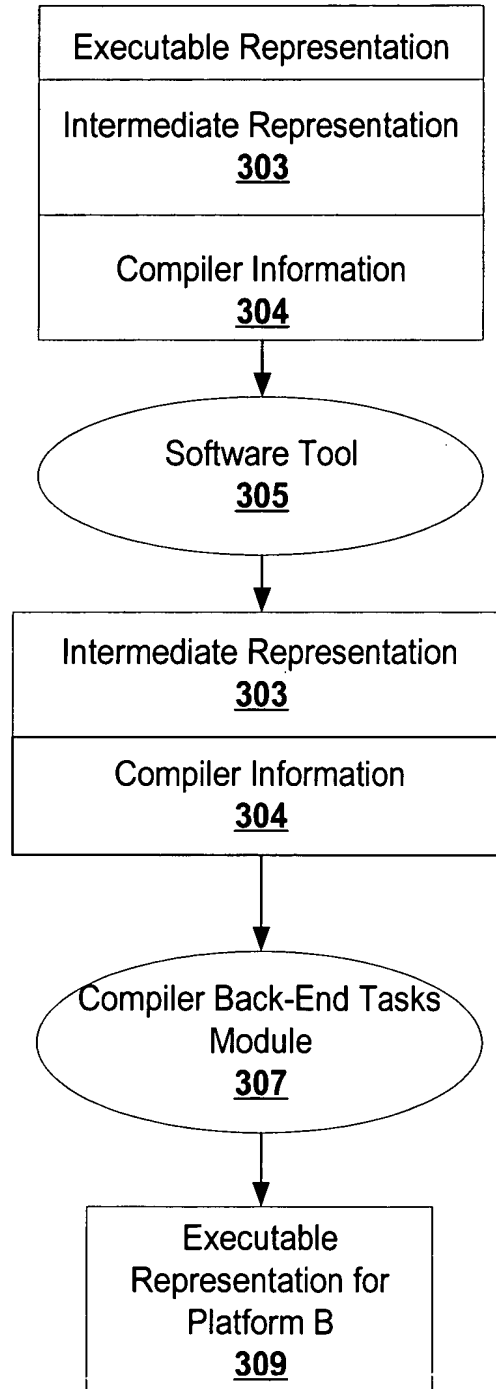


FIG. 3

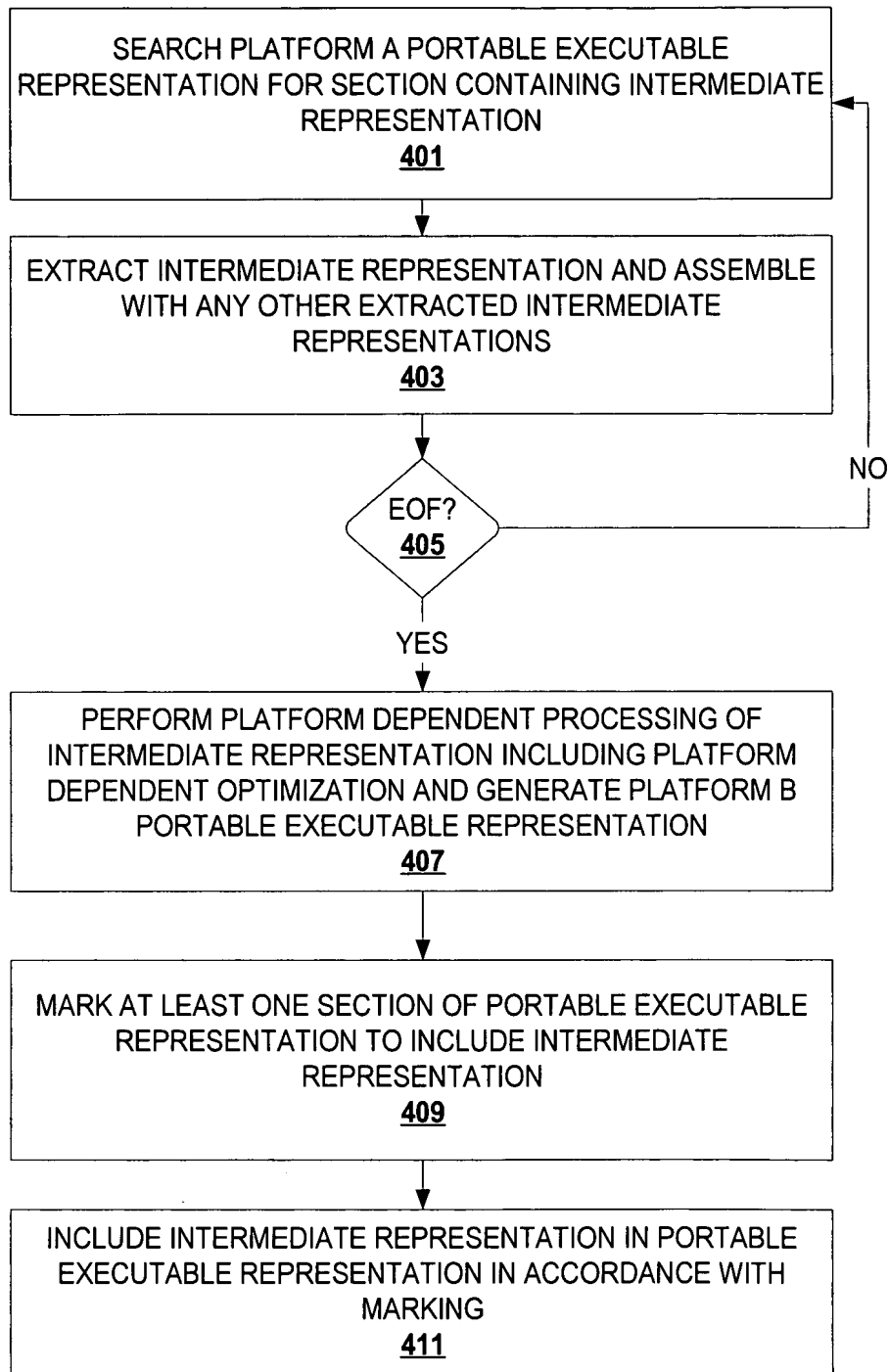


FIG. 4

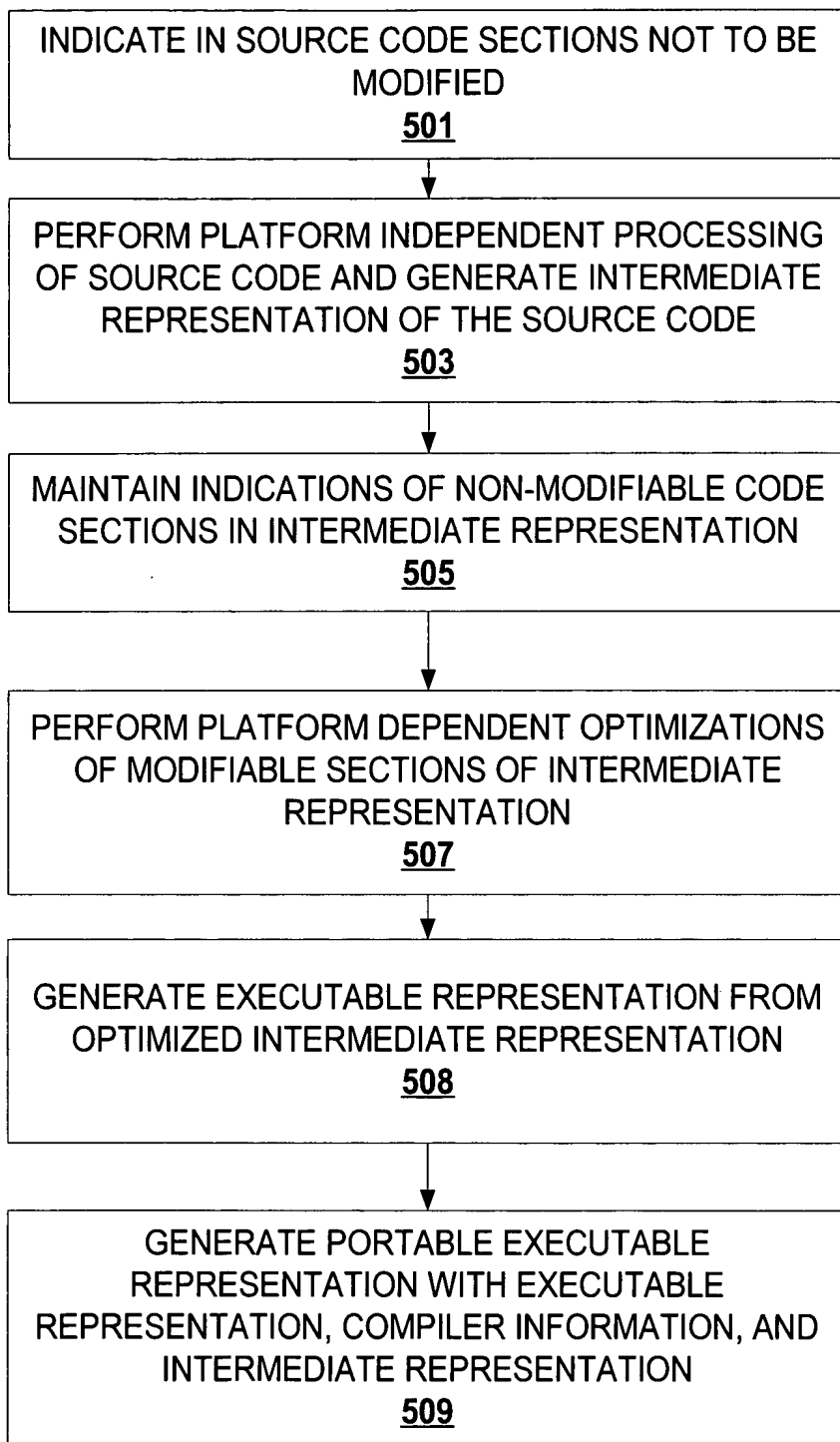


FIG. 5

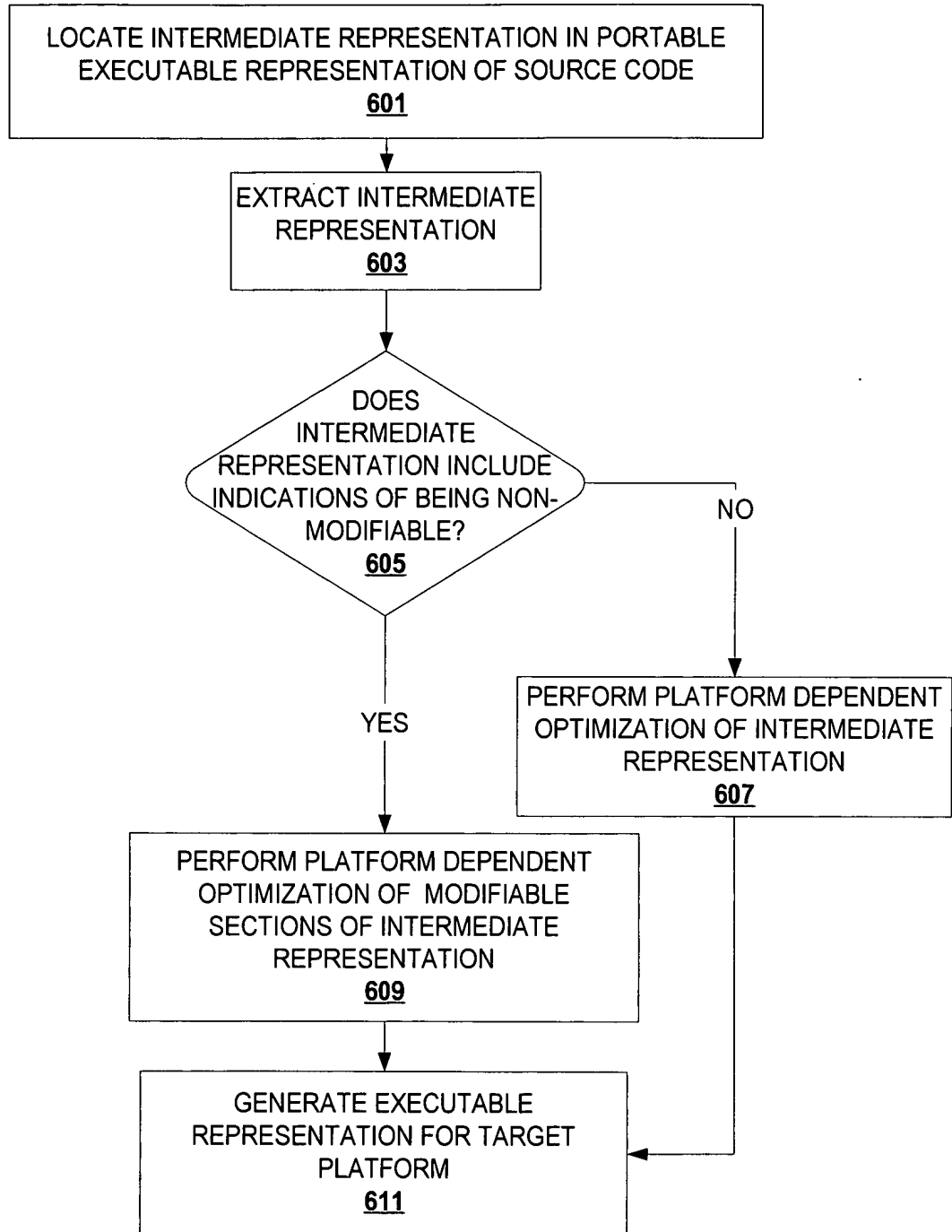


FIG. 6

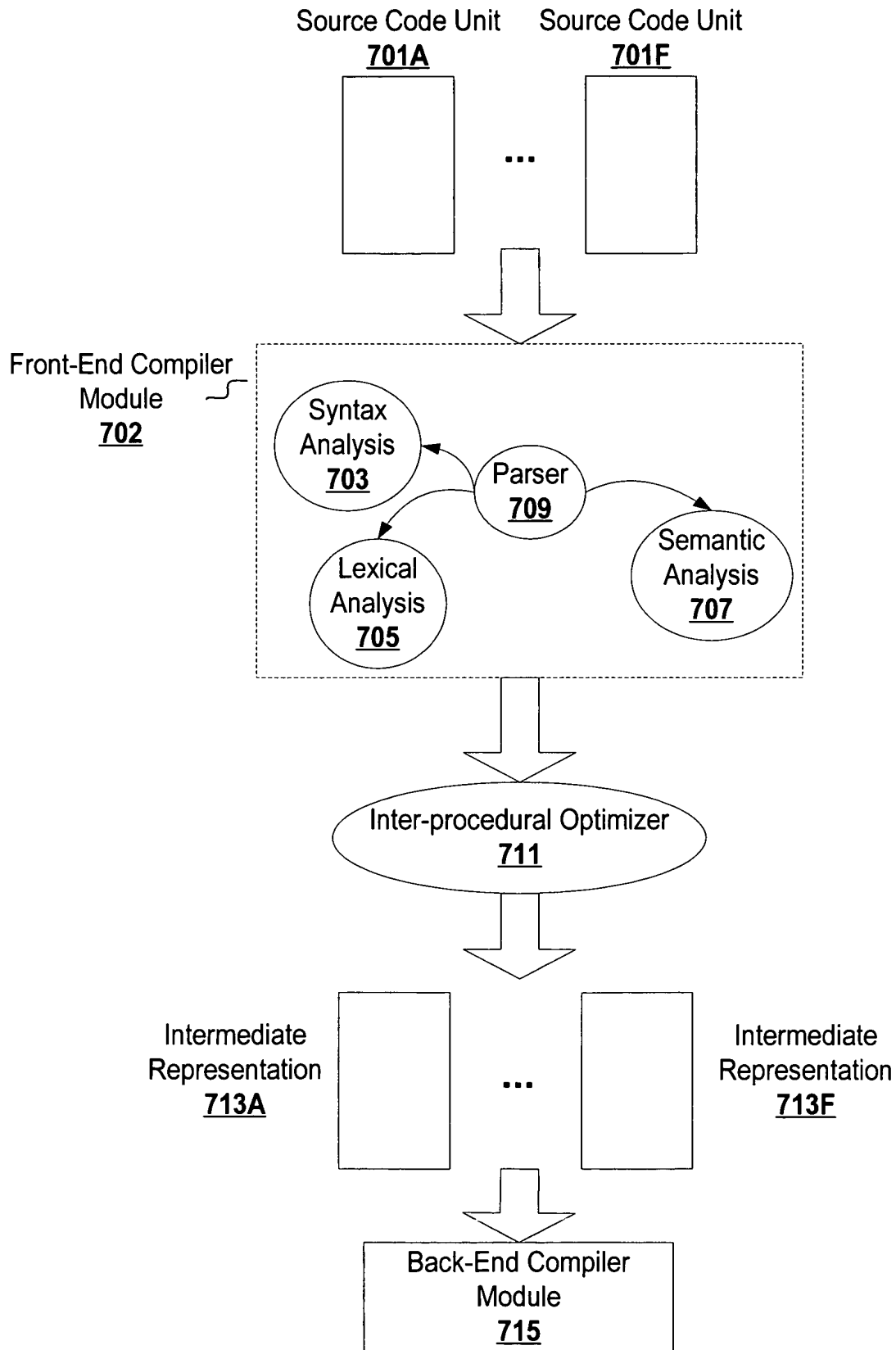
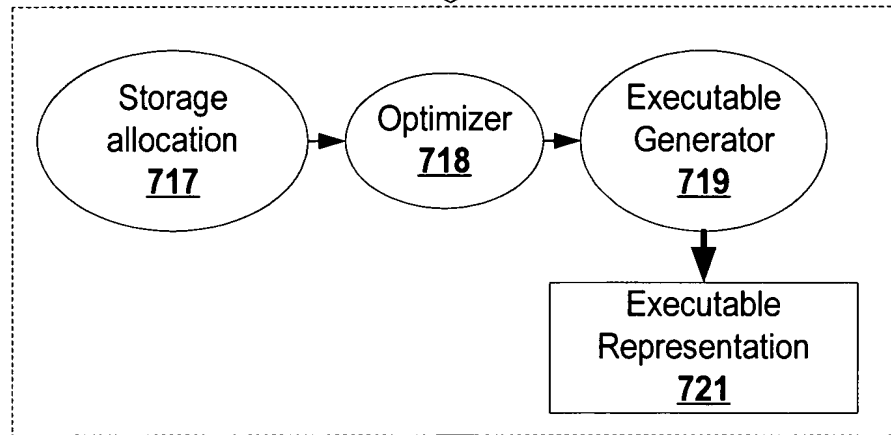


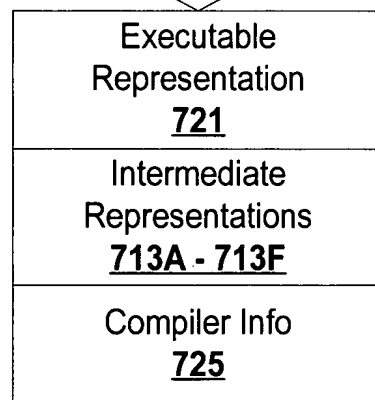
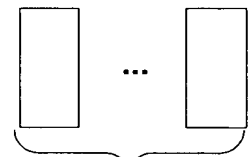
FIG. 7A

Back-End Compiler
Module

715



Intermediate
Representations
713A - 713F



Portable Executable
Representation
723

assemble

Inter-
procedural
Optimizer
711

Compiler Info
725

FIG. 7B

+

Executable Source Code Representation (Executable Code, Data, etc.) <u>801</u>
Intermediate Source Code Representation(s) (Symbol Tables, Object Bindings, etc.) <u>803</u>
Compiler Information (Flags, Directives, Options) <u>805</u>
Linking Information (Object File information for Executable Representations without accompanying Intermediate Representations) <u>807</u>

Portable Executable Source Code
Representation

809

FIG. 8A

+

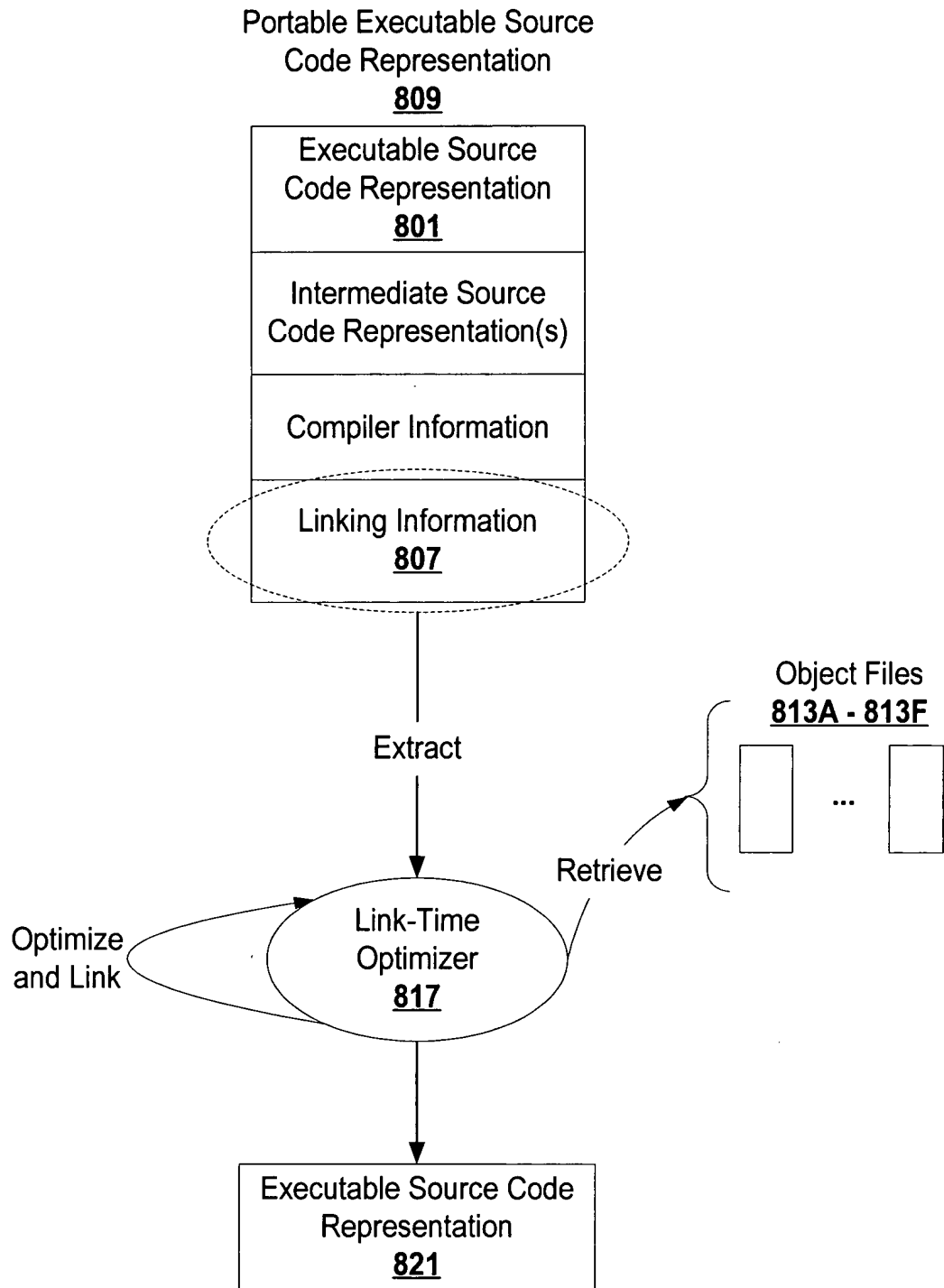


FIG. 8B

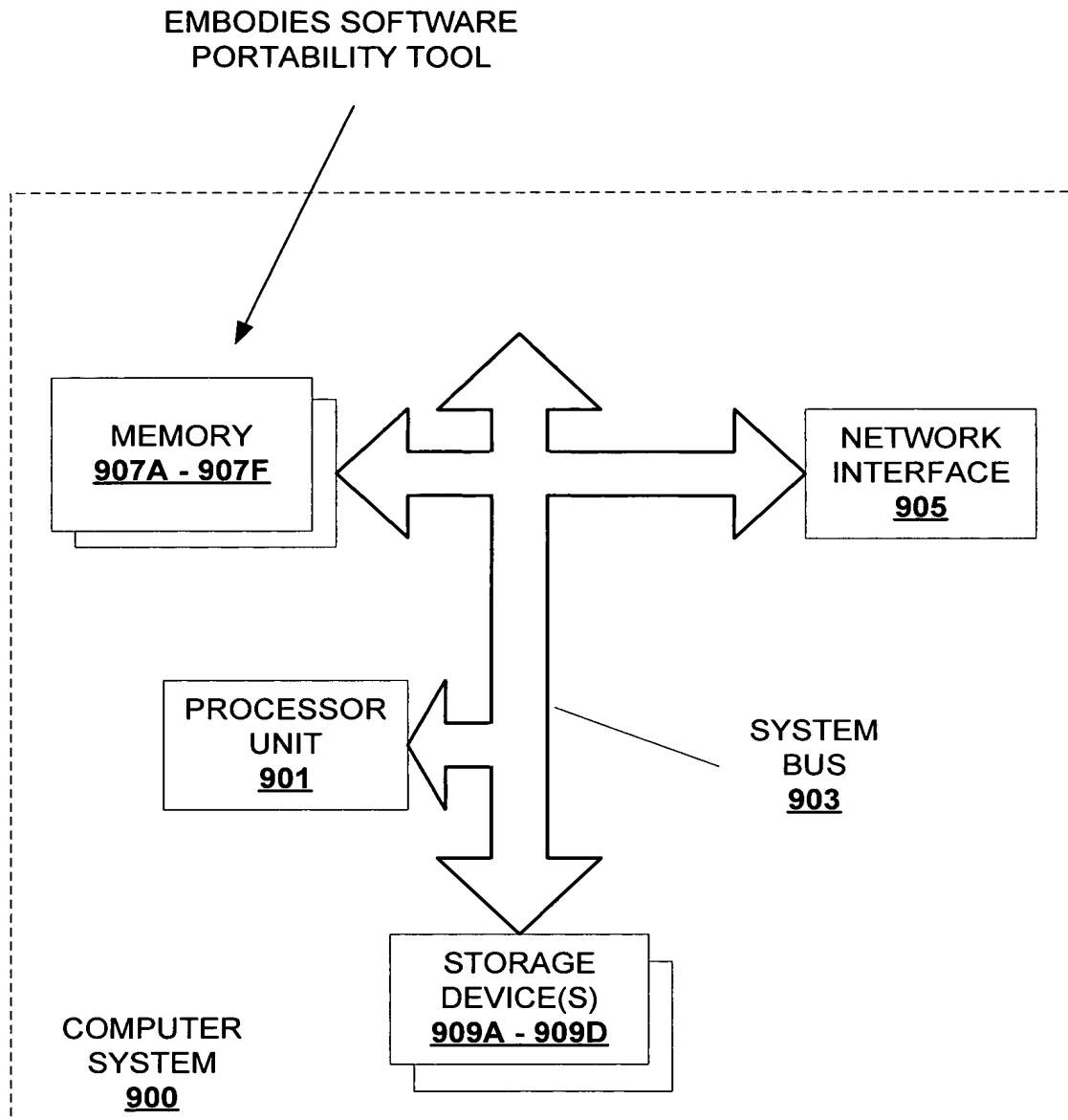


FIG. 9